

ABSTRACT

A cross-linkable rubber composition comprised of a mixture of a carboxyl group-containing nitrile copolymer rubber (A) with a carboxyl group content per 100 g of 2×10^{-3} to 1×10^{-1} equivalents and a carboxyl group-containing acryl-based polymer (B) with a carboxyl group content per 100 g of 4×10^{-4} to 1×10^{-1} equivalents in a weight ratio A:B=40:60 to 90:10 into which a cross-linking agent (C) able to cross-link the carboxyl groups of both the nitrile copolymer rubber (A) and the acryl-based polymer (B) is blended, the amount blended of the cross-linking agent (C), converted to equivalents of functional groups able to react with carboxyl groups in the cross-linking agent, being 0.3 to 3 times equivalents of the total content of both the carboxyl groups of the nitrile copolymer rubber (A) and the acryl-based polymer (B) is used. According to the present invention, a cross-linkable rubber composition giving a cross-linked product superior in not only mechanical property, such as tensile strength and low compression set, and oil resistance, but also high weathering resistance, such as dynamic ozone resistance, and high mechanical property, such as flexural fatigue resistance can be provided.